



SEQUENCE LISTING

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<120> COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION,
ASSESSMENT, PREVENTION, AND THERAPY OF CERVICAL CANCER

<130> MRI-008A

<140> 09/732560

<141> 2000-12-08

<150> 60/169811

<151> 1999-12-08

<150> 60/171330

<151> 1999-12-21

<150> 60/189113

<151> 2000-03-14

<150> 60/193943

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<150> 60/220113

<151> 2000-07-21

<160> 126

<170> PatentIn Ver. 2.0

<210> 1

<211> 457

<212> DNA

<213> Homo sapiens

<400> 1

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tatcctagaa tctgtcacca gtgagtctaa ttttcacaa tacaccttgg tctcattgaa 180
tgaagaattt aatcgtggac gaggactaaa tgtgggtgcc cgagcttggg acaagggaga 240
ggtcttgatg ttttctgtg atgttgatat ctatttctca gccgaattcc ttaacagctg 300
ccggttaaat gctgagccag gtaagaaggt gttttaccct gtggtgttca gtctttacaa 360
tcctgccatt gtttatgcc accaggaagt gccaccacct gtggagcagc agctggttca 420
caaaaaggat tctggctttt ggcgagattt tggcttt 457
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<210> 2

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<212> DNA

<213> Homo sapiens

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<221> misc_feature

<222> 18,99,142

<223> n = a,c,g, or t

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gtgctaaaat gggaaggagg cggagttttg ctgatctgnt aaattcttag tgaagtttcc 120
tcgattttcca gtggctgctg tngtttgagt ttggtttgga gcaaaactga ggtagtccta 180
acatt 185
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<210> 3

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<212> DNA

<213> Homo sapiens

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<211> 322

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 101,261,312

<223> n = a,c,g, or t

<400> 4

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ctatatatac tcataataaa aagtaactag tcaaaattta naacattctg atcaaaatgg 120
gtctgcacat gcctttcaaa cacctgctgg tcatagtcag gaggggaactg ctcgctacac 180
atcgggcaca ccttcagtg actttcaaca tgttcttcaa atttgctctg atcatagtta 240
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caaaagcctg tnccatgccc ac 322
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<211> 327

<212> DNA

<213> Homo sapiens

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taagcttata tgtatttgaa cttttttgaa atcctattca agtatattta tcatgctatt 180
gtgatatttt agcactttgg tagcttttac actgaatttc taagaaaatt gtaaaatagt 240
cttcttttat actgtaaaaa aagatatacc aaaaagtctt ataataggaa tttaacttta 300
aaaaccact tattgatacc ttacat 327
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<210> 6

<211> 288

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 65,152,189,196,198,200,230,235,253,258,268

<223> n = a,c,g, or t

<400> 6

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cccttagcgt ggtcgcggcc gaggtacttt cctagatgac atatcgagtc aacatgaagc 60
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aggaaatgat tttgctttcc ttaaatagtt cnaaggcttg aaaataaact ttctttttgc 180
atttcttttna gaatgntngn tcattaacaa cttttaacct tatcttccn ttctncttag 240
cccttaacag acngagtnca ttctatgntg gaaataacaa gaacttga 288
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<211> 123
<212> DNA
<213> Homo sapiens
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atg 123
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<211> 272
<212> DNA
<213> Homo sapiens
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cttgactcc atcgtaaaa ttatttatgt gtaacattca aatgtgtgca ttaaataatgc 180
ttccacagta aaatctgaaa aactgatttg tgattgaaag ctgcctttct atttacttga 240
gtcttgtacc tcggccgcga ccacgctaag gg 272
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<210> 9
<211> 367
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> 31
<223> n = a,c,g, or t
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ttgaatacaa gtgactaagc caacaacaga ataaatactt ttatagtagt tttataatcc 120
tgaaattcga aagctttccc aattgcactt gcacttaaac aaaactgttg cagtttttac 180
tctatttatt ttgttcccca tgtttatgaa agtctgcac agtttcaaag gcatggtaaa 240
taatatatca atgtttatgt agtctgttac agaaacagct atagataaca ttatccagt 300
aagagcaaaa tccaagcttt agaaaaatat tcatgcatgc aattttgaca tatcttaaaa 360
aataggt 367
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<211> 245
<212> DNA
<213> Homo sapiens
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gctgaatgaa gagtcttata aagacagcac tctgatcatg cagttactta gggacaatct 120
cactctgtgg acatcggaacc accagggaga cgaaggagac gctggggagg gagagaacta 180
atgtttctcg tgctttgtga tctgttcagt gtcactctgt acctcgccg cgaccacgct 240
aagg 245
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<210> 11
<211> 302
<212> DNA
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<213> Homo sapiens

<220>

<221> misc_feature

<222> 300

<223> n = a,c,g, or t

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gattcttggg aaaattttat ccaaaaaaca ggatacatat atatttagag aaggaaatat 120
gaaatcaaga gttttggcag cccctgcttt tttttttttt ttagctccct aaagactgta 180
gcaggataaa aggatcactg gctccgagtc tctttgagat aacaagtgat gaaataaaaa 240
agaaagccca taccctcaaa taaggtcagg taacccatt gccaccctc cctacaaggn 300
aa 302
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<210> 12

<211> 97

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 23,92

<223> n = a,c,g, or t

<400> 12

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cccttagcgt ggtcgcgccc gangtacagt gggagagtga ggtgggagaa gaagagtgtc 60
tggtaggtgt gctcactgtc ttcttggtg anaatgt 97
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<210> 13

<211> 233

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 54,86,108,114,121,150,173,183,185,196,199,207,209,215,218,232

<223> n = a,c,g, or t

<400> 13

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ccctttcgag cggccgcccc ggcaggtagt tttttttttt tttttttttt tttntttttt 60
tttttttttt ttttaaaaaa ctcggnnttt atacaataaa atgtttnta gcanatgcct 120
nttgttttta tatattaaaa ttttgcaaan ccttttgagc tactgcctta gtntaccac 180
tgnctttttg ttatgnggna gaggatntna tgacnccnta cacacaaacc cnt 233
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<210> 14

<211> 498

<212> DNA

<213> Homo sapiens

<400> 14

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gcactcaatt ctgcaataga taaaatgacc aagaagacca gggacttgcg tagacagctc 120
cgaaagctg tcatggacca cgtttcagat tctttcctgg aaaccaatgt tccacttttg 180
gtattgattg aagctgcaaa gaatggaaat gagaaagaag ttaaggagta tgcccaagtt 240
ttccgtgaac atgccaacaa attgattgag gttgccaact tggcctgttc catctcaaat 300
aatgaagaag gtgtaaagct tgttcgaatg tctgcaagcc agttagaagc cctctgtcct 360
caggttatta atgctgcact ggcttttagca gcaaaaccac agagtaaact ggcccaagag 420
aacatggatc tttttaaaga caatgggaaa aacaagtccg tgttctcaca gatgctgtcg 480
atgacattac ttccattg 498
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<210> 15
<211> 273
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 85,177,243,246
<223> n = a,c,g, or t

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agcaggagta ttggcacaga gctccacctc tgaagaacct gatgaaaact catcctntgt 180
aacatcttgt caggctatgt ctttggatgg gaagggtgaa gcagctgacc gatgaggagg 240
agngtngtat ctgtatggat gggcgggctg acc 273

<210> 16
<211> 45
<212> DNA
<213> Homo sapiens

<400> 16
cccttagcgt ggtcgcggcc gaggtacttt tttttttttt ttttt 45

<210> 17
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 198,336,355
<223> n = a,c,g, or t

<400> 17
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aagtcagca tggtagacat cagtgggtgt aaccaaggac agacccaag gcaagggtgaa 120
cctcaaaaat ggaacctcaa gtctatgcag tccagctgcc ctccccacca gaaagtcctt 180
gttccagccc aacatcantg cctctgagtt tgtttactag aaacaaagga agaatttcct 240
tgtaaaaata tagacagagt agtcctctgc tttctcctct tgcaggaagg atggattctc 300
ccattccata ccatctttgc ccacactgg cccangaaa tacttaattc aactntgtga 360
aaataaagat tgtttttggt tttgaggggc aaaaaaaaaa aaaaaaaaaa 408

<210> 18
<211> 244
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 69,105
<223> n = a,c,g, or t

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gctaaccacg tgggacaggc ggattggaag agcgggaagg tcctggcca gagcagtgtg 180
acacttcct ctgtgaccat gaaactctgg gtgtctgcat tgctgatggc ctggtttggt 240
gtcc 244

<210> 19
<211> 67
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 30
<223> n = a,c,g, or t

<400> 19
actttatttt tttttttttt tttttttttn cttttttttt tttttttttt tttttttttt 60
tttttttt 67

<210> 20
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 39,212,313
<223> n = a,c,g, or t

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catatggatt atataaactg aagagcaggg gaaatactaa aatgtccatt catctgatcc 120
acatgcgtgt ggcagcccaa ggctttgttg taggagcaat gactgttggg atgggctact 180
ccatgtatcg ggaattcttg gcaaaaccta anccttagaa gaagagatgc tgtcttggtc 240
ttgttgagg agcttgcttt agtttagatgt cttattatta aagttacctt ttattgttgg 300
aaaataaact aantttgtat gggtttagat ggcaaaaaaa aaaaaaaaaa aaaaa 355

<210> 21
<211> 534
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 470,471
<223> n = a,c,g, or t

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tgggcaagaa gccctgggca gcacaagaaa gtcaatcacg ttgagacaga gagagcagga 180
gaggaagtgg gcccagtag aagtgggcca gagagcgttg ggtgggaacg tggcacgaga 240
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gaaagagaaa gagacagaga aaagaaacta tggtgtttta aatgccagtg gaaagtccat 360
gggggtgaaa gagtccggca atggccaggg agtttagcag cttggcgtaa tgtcttccca 420
ctgttttgtc tgtcttgaga atagcattca acgcgactgt gttcccgcac ncagacgtta 480
ggcccgctgc ccacgccttt gagtccccgc gtacctgccc gggccggccg ttccg 534

<210> 22
<211> 51
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1,18,50

<223> n = a,c,g, or t

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ngt gatggat atctgcanaa ttcgccctta gcgtggctgc gcccgaggtn c 51

<210> 23

<211> 334

<212> DNA

<213> Homo sapiens

<400> 23

ccctttcgag cggccgcccc ggcaggtacg cggaatctt cgacagctgg gctggaacgt 60
gaactcagta gctgaacctg tctgacccgg tcacgttctt ggatcctcag aactctttgc 120
tcttgctcggg gtgggggtgg gaactcacgt ggggagcggg ggctgagaaa atgtaaggat 180
tctggaatac atattccatg ggactttcct tccctctcct gcttcctctt ttctgctcc 240
ctaacccttc gccgaatggg gcagcaccac tgacgtttct gggcggcagt gcggctgcc 300
ggttcctgta cctcggccgc gaccacgcta aggg 334

<210> 24

<211> 51

<212> DNA

<213> Homo sapiens

<400> 24

cccttcgagc gcccgccccg gcaggtactt tttttttttt tttttttttt t 51

<210> 25

<211> 327

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222>

99,105,134,141,143,173,183,185,188,194,199,210,223,231,237,240,247,260,264,27
4,278,283,287,297,315,322,324

<223> n = a,c,g, or t

<400> 25

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tttttttttt tttttttttt tttttttttt ttttattanc aacanacaaa aaaagtttat 120
tgaatacaaaa actnaaaggc ntnaacagtc ctgggccc aaatccatg gcnggaagtc 180
aananttttg cttnagggnc ggccctgggc gccctggaaa aantcattgc ncatganagn 240
gatgagngcc aggaaaacan catnctcctg gaantccncc tgntggncac tgttttnatc 300
caggctgccc attanccttt tnanccc 327

<210> 26

<211> 198

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 116,130,140,146,162,164,165,179

<223> n = a,c,g, or t

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tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
tttttttaan aaaaaaaaaa aaaaaaanaaa aaaaaaaaaa anannaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa 198

<210> 27
<211> 291
<212> DNA
<213> Homo sapiens

<400> 27
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ttgaataatt ataagtatca gtaaaggaag tgaaagacag gattgcattt aatagataaa 120
acgttttaggc aataattgaa caaaagaatc ctggcatatt tctaactacta atggcaattt 180
acttatggta tttattttca gtagtaaaga cccagcttga atgtaaattt tgtatagtgt 240
aagtatgaag aacatagtgc aactgtacct cgcccgcgac cacgctaagg g 291

<210> 28
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 10,13,23,26,78,98,106,117,131,143,158,163,168,179,183
<223> n = a,c,g, or t

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gctgtaactc catatgtngt atttttattc ttactaanaa gaagtnaatt tttccancaa 120
tcacatcctt naaatgatac ttngatttat tataattcnaa tcntatangt agacaatcnt 180
cantgcccac ttc 193

<210> 29
<211> 328
<212> DNA
<213> Homo sapiens

<400> 29
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gggaggggct gaacgtggtg aagacaggcc gagtgaatgt tggggagacc aatccagcag 120
attcaaagcc aggcaccatt cgtggggact tctgcattca ggttggcagg aacatcattc 180
atggcagtgga ttcagtaaaa agtgctgaaa aagaaatcag cctatgggtt aagcctgaag 240
aactggttga ctacaagtct tgtgctcatg actgggtcta tgaataagag gtggacacaa 300
cagcagtctc cttcagcacg gcgtggtg 328

<210> 30
<211> 231
<212> DNA
<213> Homo sapiens

<400> 30
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caatagcaga tcctgtagta tttccagtag acatggcctt ttaatctaag ggcttaagac 120
tgattagtct tagcatttac tgtagttgga ggatggagat gctatgatgg aagcataccc 180
agggtggcct ttagcacagt atcagtacct cgcccgcgac cacgctaagg g 231

<210> 31
<211> 221
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 201

<223> n = a,c,g, or t

<400> 31

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ggccgaacta cgcagcacac tgctccagaa aagttaaact gaaggaaaaa aaggggtccac 120
atgaagtagg tctcctaata ccacagggtta actctgttgt ttctcatgga aaattaaatt 180
cactggccgc ccaggacgtc ngtggaatcc tgatctcctg g 221
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<210> 32

<211> 305

<212> DNA

<213> Homo sapiens

<400> 32

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tttaaatatt tattttcaaa acccctaata cactggagta tgcttcacct agaaacagat 120
tacaggacga atagctataa tgaataagca atacaatttg tatttgggat gcaatttgtgt 180
tgtaaagtgt caaataatca atttataaat ttgttgcttt tacttttaca aaaatattca 240
tttaacccat aacatgagtt gcaaaaattat ctccagactt ctacagggtga ttataaactg 300
taatt 305
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<210> 33

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 67,71,83,115,193,196,252

<223> n = a,c,g, or t

<400> 33

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ccctttcgag cggccgcccg ggcagggtact tttttttttt tttttttttt tttttttttc 60
tattttngtt naatttatatt aanaccacct ccttacaact tccagagaga aaatncaaaa 120
caagaaacag acttggtttc aaatgcataa ccagggtgctg gagtttaaag cattactgat 180
aacattgtta canaanaatg gcagcttact ccagggcact tcagtattcc tgaggaataa 240
acatgatattc tnttgctctc ccgctgggat gttctcaggt gaagtcactg ctctctgc 297
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<210> 34

<211> 334

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 173

<223> n = a,c,g, or t

<400> 34

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ccctttcgag cggccgcccg ggcagggtact tttttttttt tttttttttt tttggaatta 60
aattttatatt cacattgata gaaaccatga aaaacattta cactttccca tgttacagca 120
caatatttca atggaatatt tcttgccata aataatatct tgctgatttg tanaagtga 180
ataacagttt atgttcttca aggtaaagaa aaatgacata gtaaagtatt gtttaaaatt 240
tttaaatcca gacataaaca tatggcttca ttattaacat cctgtatagt ccattactaa 300
attatttcca ttatcaatta gcacccattt ataa 334
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<210> 35

<211> 330

<212> DNA

<213> Homo sapiens

<400> 35
cccttttcgag cggccgccccg ggcaggtaca cgtgctagga aaaaacagct tcagtgtctt 60
tgtttaattgt gttgaaactc atcttttttaa atcttgaaaa gccaatgtt tacttgaaac 120
ttgaaaatag catatttttc tgttttttgg ttgtttgttc atttgatatta gcacaattta 180
atgtaattcc tggtttggag gcagcaagac ctatgagcaa gaactattta cttgaccctc 240
gtttttttct cttgttcttg tgtggtctga aatctaaac tagactttat tatgatagat 300
ttcctataag ccaatttcta ataacaaata 330

<210> 36
<211> 239
<212> DNA
<213> Homo sapiens

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gacgcatggc aataagtgtg caatgtgtgc tgagctgttt ttaaaagaag ctgaaaatgc 120
caagcgagag ggtgaaacta gaattcgacg aaatgctgaa aaggattttt gcaaggaata 180
tgaaaaacaa gtgagaaatg gaaggctttt ttgtacctcg gccgcgacca cgctaaggg 239

<210> 37
<211> 237
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 119
<223> n = a,c,g, or t

<400> 37
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ctgaatatct aattagggca aaacaagata tttgcatggg atgcttctta agtcatctna 120
agtagttccc cttcagttct taacatgcac tctcaaaatc aacacacctc ccccaaccca 180
atactcatcg cttcacagtc atccagtaaa gtacctcggc cgcgaccacc ctaaggg 237

<210> 38
<211> 313
<212> DNA
<213> Homo sapiens

<400> 38
cccttagcgt ggtcgcggcc gaggtacagc aatatgctgc gcttaagagt ttaagtcaat 60
cctacttggt ttggcatcag gtccttttag agatgtaaaa acccctcctt tccattttgc 120
acacgtcaca aacgattcac acacagggct gggctggaca gctggccaca gagcccagca 180
agtccttctt gggagagaag agttagggct gatactgaag gtctctttca catctgggca 240
cacgtctgcc ttcaggctgt aagaatttca tttgtcgatt gttaaataaa accaggagaa 300
agcaatgcag gtc 313

<210> 39
<211> 326
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 6,20,22
<223> n = a,c,g, or t

<400> 39
cccttnccag cggccgccccn gncgggcact gatttttaaaa actaataact taaaactgcc 60
acacgcaaaa aagaaaacca aagtgggtcca caaaacattc tcctttcctt ctgaaggttt 120

```
tacgatgcat tggtatcatt aaccagtctt ttactactaa acttaaatgg ccaattgaaa 180
caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca ggtattaggg 240
ataatattca tttagccttc tgagcettct gggcagactt ggtgaccttg ccagctccag 300
cagccttctt gtccactgct ttgatg 326
```

<210> 40
<211> 276
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 79,105,148,199,212,215
<223> n = a,c,g, or t

```
<400> 40
cccttagcgt ggtcgcggcc gaggtacttt tttttttttt tttttttttt tttttttttt 60
tttggttcct aaagcaagna actttattat cattccttta aaaanaacca aggaaaattc 120
acaacatatg tgaaacacaa acagctgnngg tttaggagggt aaacaaagga ccaacatagc 180
cctgaaatgc aacagcctnt gagtgacttg anccncatgt gactgggggt ctgttaaaag 240
ggcaggctcc tcctctctag ccctgaagcc ccagga 276
```

<210> 41
<211> 93
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1,21,24
<223> n = a,c,g, or t

```
<400> 41
nttttttttt tttttttttt nttntttttt tttttttttt tttttttttt tttttttttt 60
tttttttttt tttttttttt tttttttttt ttt 93
```

<210> 42
<211> 111
<212> DNA
<213> Homo sapiens

```
<400> 42
cccttagcgt ggtcgcggcc gaggtacttt tttttttttt tttttttttt ttttattttt 60
tttatttttt tttttttttt tttttttttt tttttttttt tttttttttt t 111
```

<210> 43
<211> 81
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 17,35,61
<223> n = a,c,g, or t

```
<400> 43
cccttagcgt ggtcgcnggc cgaggacttt tttntttttt tttttttttt ttttggtttt 60
nttttttttt tttttttttt t 81
```

<210> 44
<211> 333

<212> DNA
<213> Homo sapiens

<400> 44
ccctttcgag cggccgcccc ggcaggtaca acattctgct caaccccaca ggctccattc 60
cctttaccac atatattataa tatgtttggg tcaactcatag gagtgaaaca ctgtcagcat 120
caatagttag cagcactttc aaaatacatt ttattgtccc gaatagaaac cttaactatt 180
caattagtcc agtaattcca aatgggtctta ttacttctat acataagata tgatcttaca 240
acatttatgt agctaaatac ttaacttccc atgctttttg aggattccca aaagacttta 300
gggggttccc aagactttca ggggtttttt ttt 333

<210> 45
<211> 119
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 50
<223> n = a,c,g, or t

<400> 45
cccttagcgt ggtcgcggcc gaggtacttt tttttttttt tttttttttt tttttttttt 60
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 119

<210> 46
<211> 282
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 254,275,279
<223> n = a,c,g, or t

<400> 46
ccctttcgag cggccgcccc ggcaggtaca caatcttttg cctttatttc gtaaagtttt 60
atacagaaga gagaagagca tgtctttact tgaaaaactc ttgatcaaga atttggtggg 120
gagaaaaagaa agtgggttat caagggtgat ttgaaatttt ctgcagcatt aaagctggcg 180
cttaataaga ataagtaata ataaagaaat ttctaactt caaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaanggtccc tcggccgcga ccacnctang gg 282

<210> 47
<211> 308
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 147,220,227,281
<223> n = a,c,g, or t

<400> 47
cccttagcgt ggtcgcggcc gaggtacttt tttttttttt tttttttttt ttacattata 60
aaagcatttt attgaacaca ttctggaggt agttagaacc aaaacaaaat ttgggattgg 120
ggtggggatt ctgttttgat gatatanatt tgggaaaact ttgggttctc gtgtcagcag 180
gggccatgct gtgggaaacc tgaaggctga tttgaagcan aatatanaac tgcggcacgg 240
gagaccaggg gctgggaatg gggctctcct gggaaccaa naatgtggtt ctgcaattgg 300
cttggctc 308

<210> 48

<211> 207
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 107,108,120,173
<223> n = a,c,g, or t

<400> 48
cccttagcgt ggtcgcggcc gaggtacttt tatttttttt tttttttttc ttggacaacc 60
agctatcacc aggctcggta ggtttgctgc ctctacctat aaatctnncc actattttgn 120
tacatagacg ggtgtgctct ttttactaga tcttaggttag ctctgtctgt ttnggggggc 180
ttagctttgg ctctccttgc aaagtta 207

<210> 49
<211> 150
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 15,54,87,102,104,105,109,110,130
<223> n = a,c,g, or t

<400> 49
gatggatata tgcanaattc gcccttagcg tggtcgcggc cgaggtacgt agnttagacc 60
atatgtgttg gaggttgaga ctagtanggc taggccacc gntnntttnn aagcggcaaa 120
gactagtatn gtaataggca caatattggc 150

<210> 50
<211> 317
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 30,34,118,178,232
<223> n = a,c,g, or t

<400> 50
cccttagcgt ggtcgcggcc gaggtacttn gtanagattg acttcctaag ctacttaaga 60
caacttgac cactaagcaa aaaaatgtac gaaccatttg gaaaaatgaa atttagtngt 120
tccaagtttc aaagaaatgt caacatttta ttccattcaa taaagaacaa aaccaatngt 180
gtttttatta ctttcactctg aaacattcca tgttttaatc tgagccttgc anactttcat 240
ttggagtttg aaccctgttt gggtgcattt catttttgga gaacttaatt aacgtgagat 300
tggcaattga aatgcag 317

<210> 51
<211> 328
<212> DNA
<213> Homo sapiens

<400> 51
cccttagcgt ggtcgcggcc gaggtacaca ttgtattata tacaacaag caacaacaaa 60
aagtttcatc atgtaaaca aagaatataa attatagaca taattggaag tttcaaacag 120
tccttaaatac attgtgagct tctctaaaag gcacaggctc tggagtgtgg gcacagagcc 180
attagtcaga tgtctgggtg gtctcccata atagcaatgt atactcttaa gtgggctttt 240
tgtgaactct gtcggggtga atgagttagg cctcttaaag gaatgaaatg ctttcacatt 300
tggggcaaca agtgaaaaat actgaaag 328

<210> 52
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 56,69,103,151,164,175,190,208,250,289,292
<223> n = a,c,g, or t

<400> 52
cccttagcgt ggtcgcggcc gaggtacttt tttttttttt tttttttttt tttttnaaat 60
tccaaccana agctaaatac aattggaaac tggtaagcac tanttttact ccaaaggagt 120
aggatcattc aaattttactc caataaaaagt ntgcaaccct taancaaagc tttntttcat 180
ttaaaaaggan aaaaaaaaaa aacctatnca gtagtctttc cttatgttca ttgcacaaaa 240
tgagttctgn ttttaaaact ttgacactca atgggttaatt ttacaattna anattccaac 300
tttataacct 310

<210> 53
<211> 319
<212> DNA
<213> Homo sapiens

<400> 53
cgcccttagc atgggtcgcg ccgaggtaca gagatagatg aatggaaatg ggtaagggag 60
gtgttcattc acatccatct aactgcaaaa tacaaaagta agaagtcatt gacatgaagc 120
aacgacgacc aagacgttct cagatctaaa ggtgaatgat ctgagtcagc ctggaaatgc 180
acaagggtga aaaataacat aaaaaagcca taagaccttg aagaacatca atgtcaaaga 240
taaattctaa ggtcccagag aaaaaagaat gggaatcaaa ttgacctcag actatacgtg 300
agaaacacgg agagccaga 319

<210> 54
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222>
16,22,27,28,50,66,76,78,85,88,91,97,99,102,106,107,117,125,156,161,163,176,19
8,221
<223> n = a,c,g, or t

<400> 54
cccttaccag cggccncccc gncaggnnct cagggccaaa gcgagggcatn cttactggct 60
tacctnctaa tggcancnta ctctnctnga ntgtatnant anccanngta aggggtnaaa 120
ggatngtaag catagaaacc actagaaagt gggctnaatg nanttcttgt ggcctnagct 180
caatgcagtt agctgaanaa ttgaaaagtt tttgtttgga nacttttata aacagaaatg 240
gaaagcagag ttttcattaa atcctttttac cttttttttt cttggtaatc c 291

<210> 55
<211> 317
<212> DNA
<213> Homo sapiens

<400> 55
ccctttgagc ggccgccccg gcagggtacaa aatgtataag attaattttc tatgttagga 60
ccatttgttt tcaccaattc catagagctc caatgtgtaa aagaagacac tgatctaact 120
cttgtgttaa atattttagta actcatttat ctggaagaaa gcaaaacaaa acaaaaatac 180
aaggaataaa aatcactggg agtgcttttc attcactgaa taatgagttt tgcaaggagc 240
acgtggatgg tgacattata tctttttacat ctttattttc tgtttctttt ttgactcctt 300

atcagtgaat ttatctt

317

<210> 56

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 92,111,142,347,396,405,406,407,411,414,415,416,417,418,420

<223> n = a,c,g, or t

<400> 56

```
cccttagcgt ggtcgcggcc cgaggtactg ccaccagatt ttttattaca tcatttgaaa 60
attagcagta tgcttaatga aaatttggtc angtataaat gagcagttaa natataaaca 120
atztatgcat gctgtgactt antctatgga tttattccaa aattgcttaa tcaccatgca 180
gtgtctgtat ttttatatat gtgttcatat atacataatg attataatac ataataagaa 240
tgaggtggta ttacattatt cctaataata gggataatgc tgtttattgt caaagaaaaa 300
agtaaaatcg ttctcttcaa ttaatggccc ttttattttg ggaccangct tttattttcc 360
ctgatattat ttctatttaa tactcttttc tctcanggaa aaaannnata naannnnntn 420
tgaaaagtcc tgcc 434
```

<210> 57

<211> 297

<212> DNA

<213> Homo sapiens

<400> 57

```
cccttagcgt ggtcgcggcc gaggtactgg aaacaaaaat aaagttttct acattatttt 60
cagccttggtg ttatgggtata gtttctttgt gtttgctgta atatgcacat tgcctttcta 120
ggacctgtca cccaccatg gagaaaagag tcttttggtt ctttttaaca taagtgatta 180
gtttaagagt atgctgagga gccactgggc ttaaagaagg atgtaaataa gacccaaata 240
catagggacc aggcgctgct ttctcatgtt cacaaaagca gtcctccacc actgaac 297
```

<210> 58

<211> 322

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 215,263,290,297

<223> n = a,c,g, or t

<400> 58

```
ccctttcgag cggccgcccg gcaggtacgc ggggatcttg ttgaagtcaa tcctcagttg 60
gccacctcag aggaagaggc gaagactaca gctaacctgg cagtagatgt gattgcttca 120
agctttggtc agacaagaga aggagggcat attgtctatg accaacttcc tactcccagt 180
tcaccagatg aatcagaaaa tcaagcacgt gtganaattt aggagacact gtgcactgac 240
atgtttcaca acaggcatte canaattatg aggcatagag gggatagatn aatactnaat 300
ggttgtctgg gtcaatactg cc 322
```

<210> 59

<211> 53

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1,15,33

<223> n = a,c,g, or t

<400> 59
ngagcggccg ccatntgtga tggatatctg canaatcg ccttcgagcg gcc 53

<210> 60
<211> 54
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 38,39,40,41
<223> n = a,c,g, or t

<400> 60
cccttagcgt ggtcgcgcc gaggtacttt tttttttnnn nttttttttt tctt 54

<210> 61
<211> 60
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 50
<223> n = a,c,g, or t

<400> 61
cccttagcgt ggtcgcgcc gaggtacttt tttttttttt tctttggggn tttttttttt 60

<210> 62
<211> 54
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 25
<223> n = a,c,g, or t

<400> 62
cccttagcgt ggtcgcgcc gaggnacttt tttttttttt tttttttttt tttt 54

<210> 63
<211> 339
<212> DNA
<213> Homo sapiens

<400> 63
ccctttcgag cggcgcgccg ggcaggtaca gatcctggaa ggacaaaaga tcttggctaa 60
ctgttcttct cctaccagg tagacctgtt tggtagca gatttagcac atttactatt 120
gttcaaggaa cacctacagg tcttctggga tgggtccttc tggaaactta gccaaaatat 180
ttctgagcta aaagatggtg aattgtggaa taaattcttt gtgcggattc tgaatgccaa 240
tgatgaggcc acagtgtctg ttcttgggga gcttgcagca gaaatgaatg ggggtttttg 300
acactacatt ccaaaagtca ccttgaacaa aagccttat 339

<210> 64
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 308,337,355,357,362
<223> n = a,c,g, or t

<400> 64
ccctttcgag cggccgccccg ggcaggtacg aatttggtca ggctctcttc actggctggg 60
ctgctgcttc tctctgcctt ctgggaggtg cctactttg ctgttctgt ccccgaaaaa 120
caacctctta cccaacacca aggccctatc caaacctgc accttcagc gggaaagact 180
acgtgtgaca cagaggcaaa aggagaaaat catgttgaaa caaacgaaa atggacattg 240
agatactatc attaacatta ggaccttaga attttgggta ttggaaatct tgaagtatgg 300
gtatttcnaa aacaaacaaa caaaacaaaa aaacctntgt gttaaaaata cttcnangtg 360
cntaaacaat gggcttttaa tcttattttt ttaat 395

<210> 65
<211> 335
<212> DNA
<213> Homo sapiens

<400> 65
ccctttgagc ggccgccccg gcaggtacgc gggcccttgg accaccttca tgtagttgg 60
gtattataaa taagagatac aaccatgaat atattatgtt tatacaaaat caatctgaac 120
acaattcata aagatttctc ttttatacct tctcactgg cccctccac ctgcccatag 180
tcaccaaat ctgttttaaa tcaatgacct aagatcaaca atgaagtatt ttataaatgt 240
atztatgctg ctagactgtg ggtcaaagt ttccattttc aaattattta gaattcttat 300
gagtttaaaa tttgtaaatt tctaaatcca atcat 335

<210> 66
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 302,304
<223> n = a,c,g, or t

<400> 66
ccctttcgag cggccgccccg ggcaggtact tttttttttt ttcttttttt ttcttaatta 60
cgcattttta atatcaatat gtgcatttgt ttttacagtt ataaattttt ttctcacctg 120
tttttagaaa cagcttgtaa tagttttgaa tccattaaga tggtgctttc aatttgaaat 180
attttgtgta tacatgtata taaaaaataa cccaatgtat gactcatctg accgatgttt 240
aagatcaata acggcttatt tttcaacatg cagttaggaa gagagggaag caaaccaacc 300
tntntacagt atctttttgc tggcttggtt 330

<210> 67
<211> 58
<212> DNA
<213> Homo sapiens

<400> 67
ccctttcgag cggccgccccg ggcaggtact tttttttttt tttttttttt tttttttt 58

<210> 68
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 104

<223> n = a,c,g, or t

<400> 68
cccttagcgt ggtcgcggcc gaggtacact attagtggga aagtaaatta gtatagttgc 60
tatggagaat aggatggagt ttccctcaagt aaactaatta ttgnaattac catatgattg 120
aacaatcaca tggctggata tatatctaaa agaaagaaaa tcagtatatt tgaagagata 180
cctgcactct catgtttatt gcagcactgt tcacagtagt caaagggttt atgaagccac 240
atagccttgt tagtaagctc aagagtacct gcccgggcgg ccgctcgaaa ggg 293

<210> 69

<211> 56

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 9

<223> n = a,c,g, or t

<400> 69
cccttagcnt ggtcgcggcc gaggtacttt tttttttttt tttttttttt tacttt 56

<210> 70

<211> 295

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 192,252,276

<223> n = a,c,g, or t

<400> 70
cccttagcgt ggtcgcggcc gaggtactgt ggggaagggga gttgggcact cttggaggac 60
tcctgctgaa ggtgggtcagc ctgcctgaca atggaagaca tacttgaatg gggagcaggg 120
tatgtgcttt catatgaaaa aagagctgat gttaaaactc atttggtgag gtcaacgttg 180
tcacatacct tnacataagg gatagtatat tttgggttgc agtcaaactt gtgctcagac 240
tggtgaaact gngagtcagg cttttacatt tttaanagaa aatacagttt tttca 295

<210> 71

<211> 75

<212> DNA

<213> Homo sapiens

<400> 71
cggccgccag tgtgatggga tatctgcaga attcgccett agcgtggteg cggccccgagg 60
tacttttttt ttttt 75

<210> 72

<211> 356

<212> DNA

<213> Homo sapiens

<400> 72
cccttttcgag cggccgcccc ggcaggact gaaaatctta cggagagtta aaaataatac 60
taatcctcgc ccggctgaac tgggaattctt gcagttacaa agttaaaatt tcaagtaaac 120
actgtatttt tcactttttg tagacagaca cagtgcagat acaaacagct gccatatctc 180
acctcagatg aagctatgtg tcaatgctta gggaaaatga tcttagataa tttcccaatt 240
ttatagagct taaatctttg aaaacagcac taatactgct ggttgactgg ctatctacaa 300
cagcaaagtg aacataaagt tttgacgatg agaggtttcc caaagaaact aatata 356

<210> 73
<211> 57
<212> DNA
<213> Homo sapiens

<400> 73
gtgtgatgga tatcaagcag aattcgccct tgagcggccg cccgggcagg tactttt 57

<210> 74
<211> 238
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 227,230,238
<223> n = a,c,g, or t

<400> 74
cccttagcgt ggtcgccgcc gaggtacttt tttttttttt tttttttttt ttgctctgtt 60
ttataaatac atgtgttcaa acaatcttga ttaggagcat tttaatcacg aagccaacac 120
atgttactgc gtatctgttt aaaatctggt agttgcttaa tgggaccaac agcagcaata 180
gctggactcc tattataaat gtattttgga cctgccccggg cggccgntcn aaagggcn 238

<210> 75
<211> 321
<212> DNA
<213> Homo sapiens

<400> 75
ccctttcgag cggccgcccc ggcaggtacg cgggggttct gaagcgccgg ccagagaaga 60
gtcaagggca cgagcatcgg ccatgccttt cttggacatc cagaaaagg tccggccttaa 120
catagatcga tgggtgacaa tccagagtgg tgaacagccc tacaagatgg ctggtcgatg 180
ccatgccttt gaaaaagaat ggatagaatg tgcacatgga atcgggtata ctcgggcaga 240
gaaagagtgc aagatagaat atgatgattt cgtagagtgt ttgcttcggc agaaaacgat 300
gagacgtgca ggtacctcgg c 321

<210> 76
<211> 43
<212> DNA
<213> Homo sapiens

<400> 76
gatatctgca gaattcgccc ttagcgtggt cgcggcccca ggt 43

<210> 77
<211> 240
<212> DNA
<213> Homo sapiens

<400> 77
ccctttgagc ggccgccccg gcaggtacgc ggggtccaatg aggagaggaa tcttctctca 60
gttgcttata aaaatgttgt aggagcccgt aggtcatctt ggaggggtcgt ctcaagtatt 120
gaacaaaaga cggaagggtc tgagaaaaaa cagcagatgg ctcgagaata cagagagaaa 180
attgagacgg agctaagaga tatctgcaat gatgtacctc ggccgcgacc acgctaaggg 240

<210> 78
<211> 326
<212> DNA
<213> Homo sapiens

<400> 78
cccttttcgag cggccgccccg ggcaggtacc atgatagaat actgcaattg tggtcagaat 60
tacagtatgc acaaagaatt aattagcatt attaaagagt cctcactaaa catttcatat 120
gacacactg aagaactgta acattccata gagtgaagt gttcaaattt ctcttggaat 180
ttttactttt gttggcctta ttttatgatc cttttcatat ttcttttgac ttagagtatt 240
aatacatggc caaaataatt tagttactac ctcatacaaa caatataatg gttactacac 300
atcacaggaa ctttagttttg gtttaa 326

<210> 79
<211> 217
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 63,74,104,118,125,129,135,147,149,154,165,180,186,187,194,208
<223> n = a,c,g, or t

<400> 79
cccttttcgag cggccgccccg ggcaggtact tttttttttt tttttttttt tttttttccc 60
atncaactta aatnctttta ttgacaatgt tttggaacaa taancaaaca atgcttanat 120
ttttnattna aattnacttt ccacatntna taanacctta aggtnaaaaa aaataaaaaan 180
aaaaannaaa tatntgagaa tccatttnat taaataa 217

<210> 80
<211> 79
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 54,63
<223> n = a,c,g, or t

<400> 80
cccttagcgt ggtcgcgccc gaggtacttt tttttttttt tttttttttt ttgnTTTTTT 60
ttntTTTTTT tttttttttt 79

<210> 81
<211> 367
<212> DNA
<213> Homo sapiens

<400> 81
cccttttcgag cggccgccccg ggcaggtacg cgggggggggt cgactgacgg taacgggggca 60
gagaggctgt tcgcagagct gcggaagatg aatgccagag gacttggatc tgagctaaag 120
gacagtattc cagttactga actttcagca agtgggcctt ttgaaagtca tgatcttctt 180
cggaaagggt tttcttgtgt gaaaaatgaa cttttgccta gtcacccct tgaattatca 240
gaaaaaaatt tccagctcaa ccaagataaa atgaattttt ccacactgag aaacattcag 300
ggtctatttg ctccgctaaa attacagatg gaattcaagg cagtgcagca gggtcagcgt 360
cttccat 367

<210> 82
<211> 69
<212> DNA
<213> Homo sapiens

<400> 82
cccttttcgag cggccgccccg ggcaggtact tttttttttt tttttttttt tttttttttt 60
ttttttttt 69

<210> 83
<211> 145
<212> DNA
<213> Homo sapiens

<400> 83
cccttagcgt ggtcgcggcc gaggtacaaa aggccaaaaa aaaaaaaaaa gtcccaaac 60
accaagagac aaaaggtagg aggaaagaca agaaaggaag atacaaaagg agcaggaaga 120
aacttactta gggacaagat tagca 145

<210> 84
<211> 54
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 33,47
<223> n = a,c,g, or t

<400> 84
cctctacatg catgctcgag cggccccatt gtnatggata tctgcanaat tctc 54

<210> 85
<211> 94
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 16,18,26,49,61
<223> n = a,c,g, or t

<400> 85
cccttagcgt ggtcgnntnc gaggtncctt tttttttttt tttttttgnt tttttttttg 60
nttttttttt tttttttttt tttttttttt tttt 94

<210> 86
<211> 153
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 59,127,141,146,147
<223> n = a,c,g, or t

<400> 86
cccttagcgt ggtcgcggcc gaggtacttt tttttttttt tttttttttt ttttgggtnt 60
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
ttttggnaaa aaaaaataaa nttttnnttt ttt 153

<210> 87
<211> 597
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 541
<223> n = a,c,g, or t

```

<400> 87
cccttagcgt ggtcgcggcc gaggtacgcg ggggaaacgg aagtgagcgg cggggtcgac 60
tgacggtaac ggggcagaga ggctgttcgc agagctgcgg aagatgaatg ccagaggact 120
tggatctgag ctaaaggaca gtattccagt tactgaactt tcagcaagtg gaccttttga 180
aagtcatgat cttcttcgga aagggtttttc ttgtgtgaaa aatgaacttt tgcctagtca 240
tcccccttgaa ttatcagaaa aaaattttcca gctcaaccaa gataaaatga atttttccac 300
actgagaaac attcaggggtc tatttgctcc gctaaaatta cagatggaat tcaaggcagt 360
gcagcagggt cagcgtcttc catttctttc aagctcaaata ctttactgg atgttttgag 420
gggtaatgat gagactattg gatttgagga tattcttaat gatccatcac aaagcgaaat 480
catgggagag ccacacttga tgggtggaata taaacttggg ttactgtaat aagtgtgctg 540
ntcatggaaa ccgaagggtc gcactctgtt tatagtcac tttgtcctgc ccggggcc 597

```

```

<210> 88
<211> 558
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 500,510
<223> n = a,c,g, or t

```

```

<400> 88
cccttagcgt ggtcgcggcc gaggtacagt ttgaaatact attttttatc aagttttata 60
aaaatgcaga attttgtttt acattttttt tttttttaaa agctatgttg ttagcacaca 120
gaacacttca ttgttgtttt tgggggaagg ggcataatg actaatagaa tgtctccaaa 180
gctggattga tgtggagaaa acacctttcc cttctagtgt tgagagactt cctcttggct 240
cccaggagga gggattccct gactttgaca cacatggcca ccttggcaca aaagccttgt 300
ggtatagaaa aacaaatttg tttttatgtc ctcttctccc tttccatctt tcagcataga 360
cttaactccc ataagcccag acatctgttg agacctgacc cctagtcatg ggttaccagt 420
gtgtcaggca atctggactt tccagtgatg ccactgagat ggcacctgtc aaaagagcag 480
tggttccatt tctagattgn ggatcttcan ataaattctg ccattttcat ttcacttcct 540
gaaagtcagg gtcggctt                                     558

```

```

<210> 89
<211> 256
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 143,145,146,153,156,161,165,166,167,174,175,176,198,241,246,250
<223> n = a,c,g, or t

```

```

<400> 89
ccctttcgag cggccgcccg ggcagggtact tttttttttt tttttttttt ttgttttttt 60
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
tttttttttt tttttttttt ttncnnaaaa aanttnaaaa ntttnnnaaa accnnnnaaa 180
aaaaaaaaaa aaaaaaangg gaaaaaaaaa aagggggggga aaaaaaaaaa aaaaaaaaaa 240
nggggncccn gggggg                                     256

```

```

<210> 90
<211> 457
<212> DNA
<213> Homo sapiens

```

```

<400> 90
cccttcgagc ggccgcccgg gcagggtact attttgtttc tttatatagt ttgcgtttga 60
tattagtgtc tgcaattgta ttaaagtcaa aagctgattt ttatggcata cacaagaatg 120
ccactttttc ttttattttc taccaataat ttaaagattg atatgctaaa aacaatttgc 180

```

```

acagcactaa agcatgagct actttcatct aaacctgtaa aaatatgaaa gattttttata 240
tttttttact gggaagaaat tcttcctgga tgaaattaca aatatgtgta gaatatattt 300
aataaaagac ttataaaata cctaactaca ggacttaaaa tatagattgg cgcgtagtat 360
atagaacaat attccatata aataagttta gcctttataa aaatgaagtt gcaggctgac 420
attacattct gtacctcggc cgcgaccacg ctaaggg 457

```

```

<210> 91
<211> 174
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 138
<223> n = a,c,g, or t

```

```

<400> 91
cgcccgcccc ggcaggtacg cggggagcta caagtttagc aactcgggga gcagaatcac 60
ctgtgcaaaa caggactcct gcagaagtca actgtgtgag tgagataagg ctgctgccac 120
ctgttttgcg agaaacanga cgacctacaa taaaaagtac cttggccgct ctag 174

```

```

<210> 92
<211> 377
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 19,27,73,298,330,341
<223> n = a,c,g, or t

```

```

<400> 92
cccttagcgt ggtcgcggnt cgaggtncct caaaacactg gaatgaaaaa tgaaaaaaca 60
gccaacaggg aanagtgtcg caccaggag aaagttaatg caacaggacc acagttcgtg 120
agtggagtga ttgtgaagat cattagcaca gagcctctac ctggcaggaa acaagtcagg 180
gatactttgg cagcaatctc agaagttctt tatgttgatt tgctagaagg ggatacagaa 240
tgccatgcta gatttaaaac tcctgaggat gctcaagcag taataaatgc ctatacanaa 300
atttacattg aaacacttgc tggaaactcn agatcctttt ntgggtgatca cgaacaaagg 360
tattggcaga agattttt 377

```

```

<210> 93
<211> 394
<212> DNA
<213> Homo sapiens

```

```

<400> 93
ccctttcgag cggccgcccc ggcaggtacg gcattctgga ataaagcaag agtgttcatt 60
cacacacaca gtagcttcaa aactgttcga tctgtttggt cccatgtagt tttctaaaga 120
tggaaaaaaa ggactttggt catcaagact actgtggcca tattagatta ctggaacatc 180
taagcatcag tgtgtgacca tgcgaacaaa agacttcggg gagtgtctat ttttaaaaag 240
gtttatgtgt gtcgaggcag ttgtaaaaga tttactgcag aatcaagccc acttttaggc 300
ttaggaccag gttctaacta tctaaaaata ttgactgata acaaaaagtg ttctaaatgt 360
gcccgcgtac ctcggcccg c gaccacgcta aggg 394

```

```

<210> 94
<211> 488
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> 245

<223> n = a,c,g, or t

<400> 94

```
cccttttcgag cggccccgcc gggcaggtac gcgggggagc attgaggcag ccagcgcagg 60
ggctttctgct gaggggggcag gcggagcttg aggaaaccgc agataagttt tttctctttg 120
aaagatagag attaatacaa ctacttaaaa aatatagtca ataggttact aagatattgc 180
ttagcggttaa gtttttaacg taattttaat agcttaagat ttttaagagaa aatatgaaga 240
cttanaagag tagcatgagg aaggaaaaga taaaagggtt ctaaaacatg acggagggtg 300
agatgaagct tcttcatgga gtaaaaaatg tatttaaaag aaaattggga gaagggacta 360
cagagccccg aattaatacc aatagaaggg caatgctttt agattaaaat gaaggtgact 420
taaacagctt aaagttagt ttaaaagggt gtaggtgatt aaaataattt gaaggcgatc 480
ttttaaaa
```

<210> 95

<211> 224

<212> DNA

<213> Homo sapiens

<400> 95

```
atggatatct gcagaattcg cccttttcgag cggccgcccg ggcaggtacg ctgcttggac 60
ttattttcta atgcagccca ctgggcttca aaaggatcca ctgggcagggt gcctgtagga 120
acctctgtat gcctgtctgc tgaggccaac ctgccatcat ctacaccatt gaaagctgca 180
gaaccgttga ggtgctgagc aggaggctta aagaaggggc tggt
```

<210> 96

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14,20,52,60,61,110,197,209,211,212

<223> n = a,c,g, or t

<400> 96

```
agcggccgcc cggncaggtn catactattc tgcacttttc caccaaaagc antggtgtgn 60
natgcttggt atataaaaaa agttatatcc tgtggcagga aaaacccttn ctctttcact 120
ttactaaac aactggagaa aatgttcaag tctgtataaa gttgcctata agctggaaaag 180
tgaacttggt caatctncat ttacatttna nngcatTTTT tgacaattgt cacattttta 240
acaaaagtaa gaaaatgcat atagcactaa agagtgtttc atcaaattgt taagggat 298
```

<210> 97

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 16,204,237

<223> n = a,c,g, or t

<400> 97

```
cgaccacgcg tccgcncaac ccaccaacgc cacgctcagc accttcattg aggacctgaa 60
gaagtacggg gctaccactg tgggtgcgtg gtgtgaagtg acctatgaca aaacgccgct 120
ggagaaggat ggcacacccg ttgtggactg gccgtttgac gatggggcgc ccccgcccgg 180
caaggtagtg gaagactggc tgancctggg gaaggccaag ttctgtgagg ccccgcnag 240
ctgctgtggc gtgcactgct tggcgggcct g
```

<210> 98

<211> 109

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 50,83,92
<223> n = a,c,g, or t

<400> 98
tcgccccgcg tccggacccc aaacttaaac atactgagaa tctttcagcn cgccttgag 60
ggagggccag cgtggacacc aangaggctg anggcgcccc ccagggtgga 109

<210> 99
<211> 615
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 470,563,591,610
<223> n = a,c,g, or t

<400> 99
cgccccgcgt ccgttctttt gtctatttgc tgttgattgt accaagggat ggaagaagta 60
aatatagctc aggtagcact ttatactcag gcagatctca gccctctact gagtccctta 120
gccaagcagt ttctttcaaa gaagccagca ggcgaaaagc agggactgcc actgcatttc 180
atatcacact gttaaaagtt gtgttttgaa attttatgtt tagttgcaca aattgggcca 240
aagaaacatt gccttgagga agatatgatt ggaaaatcaa gagtgtagaa gaataaatac 300
tgttttactg tccaaagaca tgtttatagt gctctgtaaa tgttcctttc ctttgtagtc 360
tctggcaaga tgcttttagga agataaaaagt ttgaggagaa caaacaggaa ttctgaatta 420
agcacaagag ttgaagttta taccggttca catgcttttc aagaatgtcn caattactaa 480
gaagcagata atgggtgtttt tttagaaaacc taattgaagt atattcaacc caaatacttt 540
aatgtataaa ataaaatatt atnccaatat accttgtagt caagtttctg ntttacattt 600
tgattttttt caaat 615

<210> 100
<211> 471
<212> DNA
<213> Homo sapiens

<400> 100
ccctttcgag cggccgcccc ggcaggtaca tactattctg cacttttcca ccaaaagcag 60
tggtgtgtta tgcttggtat ataaaaaag ttatatcctg tggcaggaaa aaccttttct 120
ctttcacttt tactaaacaa ctggagaaaa tgttcaagtc tgtataaagt tgcctataag 180
ctggaaagtg aacttgttca atctccattt acatttttagt gcattttttg acaattgtca 240
catttttaac aaaagtaaga aaatgcata agcactaaag agtgtttcat caaatgctta 300
agggattaaa aatatggag cagagaacaa aatcattgtg aatggatgaa ctgttgtaaa 360
atgaaaaaag tccaggcaaa gttgttacia gtcttttgtc actttgatga gtcacagaaa 420
atgaactttg gatacctgtc cactttaagg gttttttcct taatcttttg c 471

<210> 101
<211> 334
<212> DNA
<213> Homo sapiens

<400> 101
ccctttcgag cggccgcccc ggcaggtacg cgggggggact atattctgga gtctatgcct 60
cataccaca ttcaagtgggt tagcattatg aattccctgg tcattgttct cttcttatct 120
ggaatggtag ctatgattat gttacggaca ctgcacaaag atattgctag atataatcag 180
atggactcta cggaagatgc ccaggaagaa tttggctgga aacttgttca tggatgatg 240
ttccgtcctc caagaaaagg gatgctgcta tcagtcttcc taggatccgg gacacagatt 300

ttaattatga cctttgtgac tctatTTTTt gctt

334

<210> 102

<211> 348

<212> DNA

<213> Homo sapiens

<400> 102

ccctttcgcg cggccgcccc ggcaggtagc cagggatcat aggctgtttt aagttagaaa 60
actgaatagc aacactgaat actgtagaaa tgcactttgc tcagtaatac ttgagttgtt 120
gcaatatttg attatccatt tggttgttac agaaaaattc ttaactgtaa ttgatggttg 180
ttgccgtaat agtatattgc ctgtatttct acctctagta atgggcttta tgtgctagat 240
tttaatatcc ttgagcctgg gcaagtgcac aagtcttttt aaaagaaaca tggtttactt 300
gcacaaaact gatcagtttt gagagatcgt taatgccctt gaagtggg 348

<210> 103

<211> 329

<212> DNA

<213> Homo sapiens

<400> 103

cccttagcgt ggtcgcggcc gaggtactgc cagattcgtc taaatgtctg tcatgtccag 60
atttactttg cttctgttac tgccagagtt actagagata tcataatagg ataagaagac 120
cctcatatga cctgcacagc tcattttcct tctgaaagaa actactacct aggagaatct 180
aagctatagc agggatgatt tatgcaaatt tgaactagct tctttgttca caattcagtt 240
cctcccaacc aaccagcctt cacttcaaga gggccacact gcaacctcag cttaacatga 300
ataacaaaga ctggctcagg agcaggggt 329

<210> 104

<211> 350

<212> DNA

<213> Homo sapiens

<400> 104

cccttagcgt ggtcgcggcc gaggtacaaa tgtcaaagag aagtattatt gcatctagta 60
aacctaagac acagagacac ggatatacta tactccagaa aatcacaata tctacctcaa 120
agggtgactag aagaaagacc aaggggtattt attaaaaaac atttttcttt aatctggaat 180
tgtcacatgt tccagagaag agagggagaa cccaaaccca caggcctgcc acctatcagc 240
taagaggcat ctgtgcagat ctttatcata atactttcct cagggttattt ccaaatacaa 300
tttaatggat attcaactga cactcaagag tcagctttaa aaggactata 350

<210> 105

<211> 336

<212> DNA

<213> Homo sapiens

<400> 105

cccttagcgt ggtcgcggcc gaggtactaa gaagaacatg aaactgtttc cgtctcaatt 60
ccagcttatc ttcaacactt tctttaatgt gtgaaagatg ctctaattct tttcccagag 120
cctctagttc ctttaatgtc tcatgcctgt ctggatgggt ctgaatcact ttgcccagag 180
catcatattc ttggcgattt ttctgtattc gttttgcttg aagaatttgc tttttgcact 240
cagcaatttt ttcatgtgct ccagctatgc tacattctat ttctttgtaa attttttcat 300
aattttccat ttctctgaga ttcatatcat atacta 336

<210> 106

<211> 265

<212> DNA

<213> Homo sapiens

<400> 106

cccttagcgt ggtcgcggcc aggtacccaa cactacgttg aagtattctt ttatccctgc 60

```
cacaacttca ttaaccgcat actccttatt atctgtgttt ccacgagatt tcttgtaatt 120
tgcataatcc tcaagaatgg aatccacatt cttcttggca ggaagataaa agagctgttt 180
ttgcttggtg attaagtcac agtcatcaac aagccacggt tttagctctt ccccgctac 240
ctgccccggg gccgctcga aaggg 265
```

<210> 107
<211> 331
<212> DNA
<213> Homo sapiens

```
<400> 107
ccctttcgag cggccgccc ggcaggtaca aattgagctc tctattcata acctcaatgt 60
atgtattcct gctcattaat atactttgca ccagcaaaag cgatttccaa catatgtgtt 120
ttggaggtaa ttaagtaact ctgtataaaa ataaatgcac ttttccctcc tttccccagt 180
gaatggaaaa cttccatact ttcaaaataa taataaaaaa aataattttt aagagcaaca 240
gccctcaact ctttgctggt gcctgccata ctgcctttct tcaactccatt cttagctctg 300
ctagtttctt cttgtatgtc atgataaaaa g 331
```

<210> 108
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 30,46,188,191,193,204,205,207,247,248
<223> n = a,c,g, or t

```
<400> 108
cccttagcgt ggtcgcgcc gaggtacctn cctttgccaa gccatnctgg atgaaaccaa 60
aggagattat gagaaaatcc tgggtgctct ttgtggagga aactaaacat tcccttgatg 120
gtctcaagct atgacagaa gactttaatt atatatattc atcctataag cttaaataag 180
aaagtttntt nancaggatt gcanngnagc tacctacatg ctgaaaaata tagcctttaa 240
atcattntta tattataact ctgtataata gagataagtc cattttttaa aaatgttttc 300
cccaaaccat 310
```

<210> 109
<211> 330
<212> DNA
<213> Homo sapiens

```
<400> 109
ccctttcgag cggccgccc ggcaggtacc tcttgaaaa cctcaatgca agatagtgtt 60
tcagtgtctg catatttttg aattctgcac attcatggag tgcaataata ctgtatagct 120
ttccccacct cccacaaaat caccaggtta atgtgtgtgt gtgttttttt ttttaaggtaa 180
acattactac ttgtaacttt ttttcttagt catatttgaa aaagtagaaa attgagttac 240
aatttgattt tttttccaaa gatgtctgtt aaatctgttg tgcttttata tgaatatttg 300
ttttttatag tttaaaattg atcctttggg 330
```

<210> 110
<211> 92
<212> DNA
<213> Homo sapiens

```
<400> 110
cccttagcgt ggtcgcgcc gaggtacttt tttttttttt tttttttttt tttttttttt 60
tttttttttt tttttttttt tttttttttt tt 92
```

<210> 111
<211> 90
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 10,18,19,22,25

<223> n = a,c,g, or t

<400> 111

```
cccttagcgn ggctcgccnnc gnagnacctt tttttttttt tttttttttt tttttttttt 60
tttttttttt tttttttttt tttttttttt 90
```

<210> 112

<211> 530

<212> DNA

<213> Homo sapiens

<400> 112

```
cccttagcgg ccgcccgggc aggtacaatg gtcttccaca ctagagacaa aggcaatgag 60
gtgaacgcag aacggatgaa gctcttacac caagtgtcac gagtctggag aacagatggg 120
ttgagtagtt gttcttataa attagtatct gtggaacaca atcctttata tatcaacatc 180
acagcggatt tctgggttgg tgcattgacc tggatctttt ggtgatgttt ggaagaactg 240
attctttgtt tgcaataatt ttggcctaga gacttcaaat agtagcacac attaagaacc 300
tgttacagct cattgttgag ctgaattttc cttttttgta ttttcttagc agagctcctg 360
gtgatgtaga gtataaaaca gttgtaacaa gacagctttc ttagtcattt tgatcatgag 420
ggttaaatat tgtaatatgg atacttgaag gactttatat aaaaggatga ctcaaaggat 480
aaaatgaacg ctatttgagg actctgggtg aaggagattt atttaaattt 530
```

<210> 113

<211> 160

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 55

<223> n = a,c,g, or t

<400> 113

```
attcgccctt agcgtgggtcg cggccgaggt actttttttt tttttttttt ttttnggttt 60
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
tttttttttt tttttttttt tttttttttt tttttttttt 160
```

<210> 114

<211> 639

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 588,619,621

<223> n = a,c,g, or t

<400> 114

```
cccttcgagc ggccgcccgg gcaggtacta atgtaatcac tgaaaccttt tcttgaaata 60
agggaagcag ccaaactttg attaaagttg caagttctgg ggacttgccg gggttgtcat 120
aaactgtaac agtgggtttt ggttcagcat gtaaatgcaa ctttgatttt cttgaggacc 180
gattgacctg tcatgtccct gtatcctcat gtcctcatc tcagcaggcc tgagaggctg 240
ggtcagtttg ggtgttcctc atgaggattg cttctgccat ggagctgatg gacgtgggca 300
ggttgctgag aagggtgggt gaaagtgagt gccgggggtg ggtgagtgcc ctggctctgt 360
tcatagggga gcctttccct agcagtggaa cgctgtggtc attttctcta gcatattccc 420
ttgggaagtc tagatttgc attaatctgg ctgagaatct aagttctgtg ccttagagac 480
```

```
agtttgcact ttcccatatt gtgcctggga cagccatatt attttttttc ccaccaaaca 540
agtatgcaaa cagaaaccag ttcaaagggg gatggagtaa aagatgangc agtagaaatg 600
cctttgaatg gttttctgna nctaattctc tttaaattt 639
```

<210> 115
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 125,250
<223> n = a,c,g, or t

```
<400> 115
cccttagcgt ggtcgcggcc gaggtacttt tttttttttt tttttttttt tggcagctaa 60
agatatacag attactgtta aattgcagtc cttttttttt aaagatattt tcttgagtta 120
tttanaacat ggtaagcctg gtatttttta atcaaacaaa atatttatga aatgggtttt 180
ctcttaattc tggattcatc atggctttct aataccaatt gtaatattha caatattcac 240
caaaacttan aattttgcaa atgctggaat tctgccagtg tttctttgct aagccttgca 300
tgcaaaattt gaaattttta cattggcacc caaacctac atggaatgta tgtctggagt 360
atttcaaact ttacattgaa acataatttc cttggaaaac aaaccataag cctgaggagg 420
tttttatcaa ctggaatgct ttatattagt ttgtttttca ctgtacctgc ccgggcggcc 480
gctcgaaagg g 491
```

<210> 116
<211> 85
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 58
<223> n = a,c,g, or t

```
<400> 116
cccttagcgt ggtcgcggcc gaggtacttt tttttttttt tttttttttt tttttttnat 60
tttttttttt tttttttttt tttttt 85
```

<210> 117
<211> 327
<212> DNA
<213> Homo sapiens

```
<400> 117
cccttcgagc ggccgcccgg gcaggtacac aggaggcaaa gtgtttcaca tcatagactt 60
cacttccaac tccttggaat gttcatttct ttggcttaca ggagagacta gacaggaagg 120
ccaggcaatg cttaggcaac taaaatgagg ttggggggtta tgctaacgta accctcacag 180
ggatggccac ggggactggt attcgcaagc tggttttcta gacctgttag ctggaagcat 240
ggtgagcacc atttctggac gctcaggccg tgtcgggctt cagtcatctc caccacacag 300
gtacctcggc cgcgaccacg ctaaggg 327
```

<210> 118
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 169,198
<223> n = a,c,g, or t

<400> 118
cccttagcgt ggtcgcgggcc gaggtacttt tttttttttt tttttttttt ttttggtac 60
attttacttt attttgttgt aaggaaaacc aattgactaa gttgtcccca aaatgttagt 120
gttcaactgat caagagggaa atgaggtcag aaggcaaac tttcacttnt tctcaaacad 180
aaattgcaag tatcacanaa aattgtaaca acacatgcaa cacgggatgg ctttcaaacac 240
acagagagcc taagcaagaa gagtgaagtac ctgcccgggc ggccgctcga aaggg 295

<210> 119
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 533
<223> n = a,c,g, or t

<400> 119
cccttagcgt ggtcgcgggcc gaggtaccaa aggcgacagc tgcccattcc gtcaactgtga 60
agctgcaata ggaaatgaaa ctgtttgcac attatggcaa gaaggcgct gttttcgaca 120
gggtgtgcagg tttcggcaca tggagattga taaaaaacgc agtgaaattc cttgttattg 180
ggaaaaatcag ccaacaggat gtcaaaaatt aaactgcgct ttccatcaca atagaggacg 240
atatgttgat ggccttttcc tacctccgag caaaactgtg ttgccactg tgcttgagtc 300
accagaagag gaagtgaagg ctagccaact ttcagttcag cagaacaaat tgtctgtcca 360
gtccaatcct tcccctcagc tgcggagcgt tatgaaagta gaaagttccg aaaatgttcc 420
tagccccacg catccaccag ttgtaattaa tgctgcagat gatgatgaag atgatgatga 480
tcagttttct gaggaagggt atgaaaccaa aacacctacc ctgcaaccaa ctntctgaagt 540
tcacaatgga ttacgagtga cttctgtcc 569

<210> 120
<211> 617
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 557
<223> n = a,c,g, or t

<400> 120
cccttagcgt ggtcgcgggcc gaggtaccaa aaagaagaaa ccaatgggga cgagttggca 60
acggaatctg aagtgtctta gctgcaagg agatgcaagc acatgctata gtctctggtt 120
gaaatcgaac aaacacattg gttcgaagac tgtcattcat gtaattcctg aaaaatattt 180
caactataag cttgcatgta aacaaaccag ttcttctgaa gcttacataa aattggagac 240
tcaatctact ttattctttt ttcttctctt atttatattc acatcctcat attctagcat 300
ataacaactc ttaactcaaa aaaatcagta agcaataaga atttaatact aggaccatat 360
gcgatttttc tatatatgag cgaagccctt ttaaattatt tcatattaca atccaaacta 420
gaaattactc ctaaaaagtt aatatatttc tgtaaaaagc aatgcttttc aaagtcattc 480
tgacacgatt agtttcagaa atgataaacc actccaataa tacttcaagc cattaattac 540
tgaccatctc tctttntca caataaaaagc agtgtcaacc aagttctttt caaaagctca 600
aaataccggt aacaggg 617

<210> 121
<211> 409
<212> DNA
<213> Homo sapiens

<400> 121
ccctttcgag cggccgcccc ggcaggtaca gagccctggt atttttctct ttggccctat 60
ttggctgctt ttattaatgc atcagaactt tatgtataat catatggatt tatacgtaaa 120

```
ttaagaaaaa atgtccattt cattcagttc atatgtttcta aacgtattgc tgatcattct 180
taaattgagac tccagggttta cattcattaca taaagtgcag ggatcccgaa gttagcccca 240
aagatcccct tgcctttttc agacttgctc aaatgttacc ttatcagtgg ggcctttcct 300
gaccacactt taaaaacctc aacacccacc catgggcctt gtccctcctc ccggcttcat 360
tttttggcat atacttatca aatgtgaaca tatgatgcat ttgctttat 409
```

<210> 122

<211> 124

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 33,64,65,80,91,93,100,109,115,120

<223> n = a,c,g, or t

<400> 122

```
ccctttcgag cggccgcccc ggcaggtact ttnttttttt tttttttttt ttttttttta 60
aaanncaaaa ttaaattttt tttcacattg ntngaaaccn tgaaaaacnt ttacnctttt 120
ccat 124
```

<210> 123

<211> 342

<212> DNA

<213> Homo sapiens

<400> 123

```
cccttgagcg gccgccccgg caggtacgcg ggggcttcta gtttgcggtt caggtttggc 60
cgctgccggc cagcgtcctc tggccatgga caccocggaa aatgtccttc agatgcttga 120
agcccacatg cagagctaca agggcaatga cctctttggt gaatgggaaa gatacatata 180
gtgggtagaa gagaattttc ctgagaataa agaatacttg ataactttac tagaacattt 240
aatgaaggaa ttttttagata agaagaaata ccacaatgac ccaagattca tcagttattg 300
tttaaaattt gctgagtacc tcggccgcga ccacgctaag gg 342
```

<210> 124

<211> 83

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 80

<223> n = a,c,g, or t

<400> 124

```
ccctttcgag cggccgcccc ggcaggtact tttttttttt tttttttttt tttttttttt 60
ttttttttt tttttttttt ttt 83
```

<210> 125

<211> 346

<212> DNA

<213> Homo sapiens

<400> 125

```
ccctttcgag cggccgcccc ggcaggtacg cgggggggata ctactaggga aagcagaaga 60
tctgaatcac tgtccccaag aagagaagct tctagagaga acaaaagatc tcagccaaga 120
gtgaaagatt cttccccagg agaaaaatcc aggtcccaga gcagagaacg agaaagtgat 180
agagatgggc agaggagaga gagagaaagg agaaccagaa agtgggtctag gtccagatct 240
cattctaggt cccctcaag atgtagaaca aaaagtaaga gttcatcatt tggtagaatt 300
gacagagata gttactctcc ccggtggaag ggaagatggg caaatg 346
```

<210> 126
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 126
tccggcgcgcgcg cgtttttccca gtcacga

27